



SEQUENCE LISTING

<110> AntiCancer, Inc.
Xu, Mingxu
Han, Qinghong

<120> HIGH EXPRESSION AND PRODUCTION OF HIGH
SPECIFIC ACTIVITY RECOMBINANT S-ADENOSYLHOMOCYSTAINASE
(SAHH) AND IMPROVED ASSAYS FOR S-ADENOSYLMETHIONINE (SAM)

<130> 31276-20026.00

<140> US 09/759,990

<141> 2001-01-12

<150> US 60/176,444

<151> 2000-01-14

<160> 7

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1461

<212> DNA

<213> Homo sapiens (nucleotide sequence of SAHH)

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 <212> DNA
 <213> Homo sapiens (nucleotide sequence of SAHH - wild type)

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gagaaggagg	gcaaactcct	cttcccagcc	atcaacgtca	acgacgctgt	tacaaagtcc	720
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<210> 7

<211> 486

<212> PRT

<213> Homo sapiens

<400> 7

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Lys	Glu	Met	Pro	Gly	Leu	Met	Val	Leu	Arg	Glu	Arg	Tyr	Ser	Ala	Ser
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Lys	Pro	Leu	Lys	Gly	Val	Arg	Ile	Ser	Gly	Ser	Leu	His	Met	Thr	Val
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Ala	Ile	Val	Val	Gly	Pro	Thr	Gly	Thr	Pro	Glu	Lys	Pro	Ala	Gly	Ile
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Phe	Glu	Thr	Ala	Gly	Ala	Val	Pro	Glu	Pro	Thr	Glu	Ala	Asp	Asn	Leu
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Glu	Tyr	Arg	Cys	Val	Leu	Ala	Thr	Leu	Lys	Gln	Val	Phe	Asn	Gln	Asp
			180					185					190		
Lys	Asn	His	Trp	His	Thr	Val	Ala	Ala	Gly	Met	Asn	Gly	Val	Ser	Glu
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Glu	Thr	Thr	Thr	Gly	Val	His	Arg	Leu	Tyr	Gln	Leu	Glu	Lys	Glu	Gly
	210					215					220				

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Asn	Arg	Ala	Ser	Asp	Val	Met	Ile	Gly	Gly	Lys	Thr	Ala	Leu	Val	Met	260	265	270	
Gly	Tyr	Gly	Asp	Val	Gly	Lys	Gly	Cys	Ala	Gln	Ser	Leu	Arg	Gly	Gln	275	280	285	
Gly	Ala	Arg	Val	Ile	Ile	Thr	Glu	Leu	Asp	Pro	Ile	Cys	Ala	Leu	Gln	290	295	300	
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Asp	Val	Asp	Ile	Phe	Val	Thr	Cys	Thr	Gly	Asn	Cys	Asp	Ile	Ile	Ser	325	330	335	
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Ser	Asp	Ala	Tyr	Arg	Tyr											485			